

ABSTRACT

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Gamut mapping of an original image using one or more of plural different gamut mapping algorithms. The original image is subjected to spatial frequency analysis so as to determine spatial frequency content thereof, and different regions of the original image are gamut mapped using different ones of the plural gamut mapping algorithms based on the spatial frequency analysis. Because the gamut mapping algorithm for any one regions is selected based on spatial frequency content of the region, the gamut mapping algorithm is tailored more specifically to image content of the region, yielding gamut-mapped images with higher perceived color fidelity and colorfulness.

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